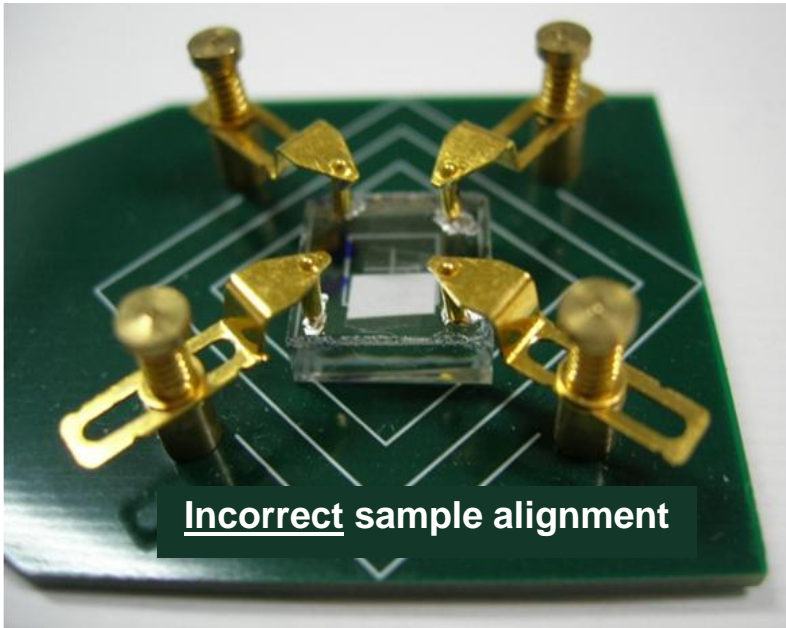
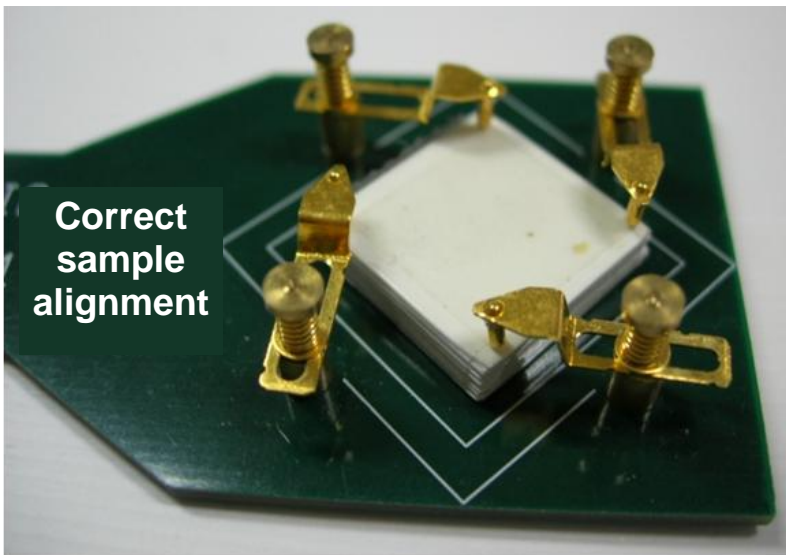


Proper Mounting of Samples onto the Ecopia Spring Clip Sample Mounting Boards to Reduce Wear and Prolong Life, Especially When Mounting Thicker Samples

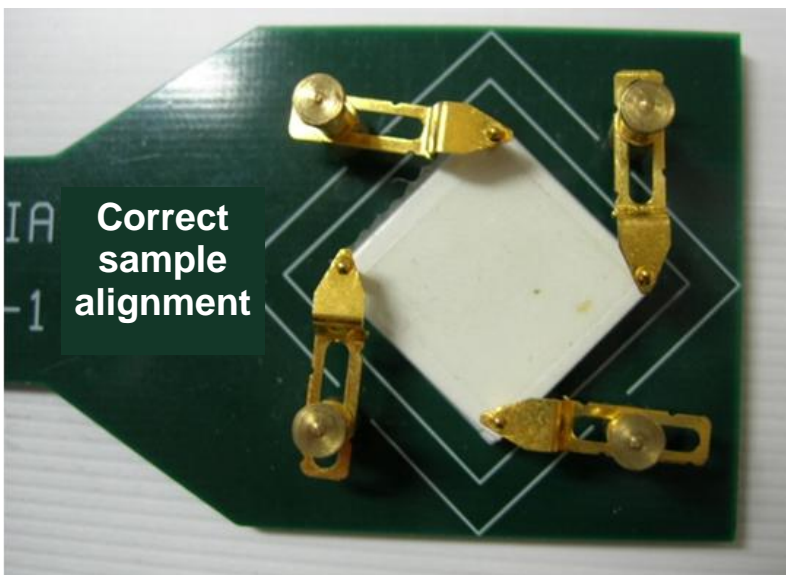


The HMS-3000 Hall Effect Measurement System includes one of the SPCB-01 Sample Mounting Boards. The SPCB-01 is designed to be used to measure samples up to 2mm in thickness. The image to the left shows one of the SPCB boards that has been designed for thicker samples. In this image the probe arms are not properly aligned which can cause unnecessary wear and stress on the parts, which can lead to permanent damage.



These two images shows the same SPCB board as shown above, but with the sample properly aligned on the board.

By placing the square shaped sample on the board so that it is aligned with the square shapes printed on the board, the probe arms can extend further which reduces the amount of flexing of the probe arms, thereby reducing unnecessary wear on the arm, springs, and post.



Please use the correct method in your sample mounting procedure to protect your sample mounting boards from unnecessary wear and possible damage. Also, take care to not lift the probe arms unnecessarily high when removing the probes from the contacts when removing the sample. Following this advice will help avoid overstressing the assembly and will extend the life of your SPCB sample mounting boards.